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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/886,171

DATE: 07/07/2001

TIME: 14:36:03

Input Set : A:\A66914-1.ST25.txt

Output Set: N:\CRF3\07062001\I886171.raw

3 <110> APPLICANT: Zarling, David  
4 Reddy, Gurucharan  
5 Pati, Sushma  
7 <120> TITLE OF INVENTION: Domain Specific Gene Evolution  
9 <130> FILE REFERENCE: A-66914-1/RFT/RMS/BTC  
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/886,171  
C--> 12 <141> CURRENT FILING DATE: 2001-06-20  
14 <150> PRIOR APPLICATION NUMBER: US 60/096,330  
15 <151> PRIOR FILING DATE: 1998-08-12  
17 <150> PRIOR APPLICATION NUMBER: US 09/133,934  
18 <151> PRIOR FILING DATE: 1998-08-14  
20 <160> NUMBER OF SEQ ID NOS: 6  
22 <170> SOFTWARE: PatentIn version 3.0  
24 <210> SEQ ID NO: 1  
25 <211> LENGTH: 80  
26 <212> TYPE: DNA  
C--> 27 <213> ORGANISM: Artificial  
29 <220> FEATURE:  
30 <223> OTHER INFORMATION: Synthetic  
32 <220> FEATURE:  
33 <221> NAME/KEY: UNSURE  
34 <222> LOCATION: (31)..(44)  
35 <223> OTHER INFORMATION: "n" at positions 31-44 can be any base.  
38 <400> SEQUENCE: 1  
W--> 39 tcctgcaagg cttctggcta ctccttcacc nnnnnnnnnn nnnnctgggt gaagcagagg 60  
41 cctggacaag gccttgagtg 80  
44 <210> SEQ ID NO: 2  
45 <211> LENGTH: 113  
46 <212> TYPE: DNA  
C--> 47 <213> ORGANISM: Artificial  
49 <220> FEATURE:  
50 <223> OTHER INFORMATION: Synthetic  
52 <220> FEATURE:  
53 <221> NAME/KEY: UNSURE  
54 <222> LOCATION: (31)..(81)  
55 <223> OTHER INFORMATION: "n" at positions 31-81 can be any base.  
58 <400> SEQUENCE: 2  
W--> 59 aggcctggac aaggccttga gtggattggc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
W--> 61 nnnnnnnnnn nnnnnnnnnn naaggccaca ttgactgtag acagatcctc cag 113  
64 <210> SEQ ID NO: 3  
65 <211> LENGTH: 102  
66 <212> TYPE: DNA  
C--> 67 <213> ORGANISM: Artificial  
69 <220> FEATURE:  
70 <223> OTHER INFORMATION: Synthetic  
72 <220> FEATURE:  
73 <221> NAME/KEY: UNSURE

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74 <222> LOCATION: (31)..(73)
75 <223> OTHER INFORMATION: "n" at positions 31-73 can be any base
78 <400> SEQUENCE: 3
W--> 79 gactctgcgg tctattactg tgctagaggg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    60
W--> 81 nnnnnnnnnn nnntggggcc aaggaccac ggcaccgtct cc    102
84 <210> SEQ ID NO: 4
85 <211> LENGTH: 88
86 <212> TYPE: DNA
C--> 87 <213> ORGANISM: Artificial
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Synthetic
92 <220> FEATURE:
93 <221> NAME/KEY: UNSURE
94 <222> LOCATION: (31)..(57)
95 <223> OTHER INFORMATION: "n" at positions 31-57 can be any base.
98 <400> SEQUENCE: 4
W--> 99 tctccagggg agaaggtcat catgacctgc nnnnnnnnnn nnnnnnnnnn nnnnnntac    60
101 tggtagcagc agaagccagg atcctccc    88
104 <210> SEQ ID NO: 5
105 <211> LENGTH: 84
106 <212> TYPE: DNA
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109 <220> FEATURE:
110 <223> OTHER INFORMATION: Synthetic
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113 <221> NAME/KEY: UNSURE
114 <222> LOCATION: (31)..(54)
115 <223> OTHER INFORMATION: "n" at positions 31-54 can be any base.
118 <400> SEQUENCE: 5
W--> 119 ccaggatcct cccccagact cctgatttat nnnnnnnnnn nnnnnnnnnn nnnngtcct    60
121 gttegttca gtggcagtgg gtct    84
124 <210> SEQ ID NO: 6
125 <211> LENGTH: 91
126 <212> TYPE: DNA
C--> 127 <213> ORGANISM: Artificial
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Synthetic
132 <220> FEATURE:
133 <221> NAME/KEY: UNSURE
134 <222> LOCATION: (32)..(61)
135 <223> OTHER INFORMATION: "n" at positions 32-61 can be any base.
138 <400> SEQUENCE: 6
W--> 139 ggaggctgaa gatgctgcca cttattactg cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    60
W--> 141 nggtgctggg acaaagctgg agtcaaagc t    91

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## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/886,171

DATE: 07/07/2001

TIME: 14:36:04

Input Set : A:\A66914-1.ST25.txt

Output Set: N:\CRF3\07062001\I886171.raw

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:27 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1  
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:47 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2  
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:67 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3  
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
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L:99 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:107 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5  
L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:127 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6  
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6